

ABSTRACT OF THE DISCLOSURE

An optical path setting method sets a two-way current optical path on the same route between two nodes, and sets a two-way spare optical path on a route  
5 reverse to the current optical path. The optical path accommodation efficiency is increased by sharing one spare optical path among a plurality of current optical paths having different routes. When a trouble occurs,  
10 a current optical path is switched to a spare optical path in a signaling-less manner at high speed.

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